

**DAILY FIELD REPORT 185**

Prepared By: LANGAN

<b>WEATHER</b>	Snow		Rain		Overcast		Partly Cloudy		Sunny	X
<b>TEMP.</b>	< 32	X	32-50	X	50-70		70-85		>85	

<b>BCP Project No:</b>	C231153	<b>Date:</b>	February 8, 2024
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<b>Project Name:</b>	Kasser Scrap Metal and Rector Cleaners Site	<b>Time:</b>	6:45 am to 3:30 pm
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<b>Consultant:</b> Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)	<b>Langan Field Personnel:</b> Caitlyn Dempsey (Environmental) Xianglei Zheng (Geotechnical)
<b>Construction Manager:</b> Consigli Construction Co., Inc. (Consigli)	
<b>Foundation Contractor:</b> Urban Foundation/Engineering (Urban) <b>Remedial Injection Contractors:</b> Brookside Environmental, Inc. (Brookside) and Coastal Environmental Solutions, Inc. (Coastal)	

**Work Activities Performed:**

- Urban excavated an about 25-foot-long by about 30-foot-wide area from about 10 feet below grade surface (bgs) to about 22 feet bgs in the southern part of grids WC02\_10-15, WC02\_15-20 and WC02\_20-25 to install timber lagging. Excavated soil/fill was stockpiled at the southwestern border of WC02, pending off-site disposal.
- Urban excavated an about 10-foot-long by about 20-foot-wide area to about 7 feet bgs in the northern part of grids WC04\_0-5 and WC04\_5-10 to mobilize equipment. Excavated soil/fill was stockpiled at the southwestern border of WC02, pending off-site disposal.
- Urban graded an about 30-foot-long by about 35-foot-wide area in the southern part of grid WC02 to mobilize equipment.
- Excavated and graded soil/fill consisted of non-native soil; odors, staining, elevated photoionization detector (PID) readings, or other evidence of a petroleum or chemical release were not observed.
- Urban continued installing one casing for one caisson in the southern part of grid WC04.
- Urban continued installing waterproofing/vapor barrier membranes (GCP Preprufe® 300R and related products) in the central part of the site. Waterproofing/vapor barrier installation observation and documentation is to verify general conformance with specifications and contract documents.
- Brookside and Coastal continued implementation of the groundwater injection program in the southern part of the site. Brookside and Coastal batch-mixed PetroFix® by Regenesis, dilution water, and an electron acceptor blend into an injectate solution. Brookside and Coastal completed injection points IP-07, IP-08, and IP-09 and started injection point IP-10.
  - IP-07, IP-08, and IP-09 were completed using a total of about 1,074 gallons of PetroFix injected from 7 feet bgs to 22 feet bgs (elevation [el] -1 to el -16) at each injection point. IP-10 was started using a total of about 179 gallons of Petrofix injected from 17 feet bgs to 22 feet bgs (el -11 to el -16).

**Material Tracking:**

- The following soil/fill was exported from the site:
  - 1 load of soil/fill from waste characterization grids WC02\_15-20, WC02\_20-25, WC02\_25-20, WC04\_0-5, and WC05\_0-5 was exported for off-site disposal at the Clean Earth of Carteret LLC facility in Carteret, NJ.
- No material was imported to the site.

Materials Export Summary								
Facility Name	<i>Bayshore Soil Management, LLC</i>		<i>Clean Earth of Carteret, LLC</i>		<i>PPark NJ</i>		<i>Faztec Solutions</i>	
Location	<i>Keasbey, NJ</i>		<i>Carteret, NJ</i>		<i>Prospect Park, NJ</i>		<i>Staten Island, NY</i>	
Type of Waste	<i>Non-hazardous Soil</i>		<i>Non-hazardous Soil</i>		<i>Non-hazardous Soil</i>		<i>C&amp;D</i>	
Today	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approximate Volume (CY)
		0	-	1	20	0	-	0
Total	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approximate Volume (CY)
	139	2,780	268	5,360	0	-	15	300

Materials Export Summary		
Facility Name	<i>Dale Transfer Corp.</i>	
Location	<i>West Babylon, NY</i>	
Type of Waste	<i>Concrete</i>	
Today	Number of Loads	Approx. Volume (CY)
		0
Total	Number of Loads	Approx. Volume (CY)
	2	40

Materials Import Summary						
Facility Name	<i>Greenpoint Quarry / North Shore Terminal</i>		<i>Stavola Bound Brook / North Shore Terminal</i>		<i>North American Aggregate Mining Operations</i>	
Location	<i>Staten Island, NY</i>		<i>Staten Island, NY</i>		<i>Perth Amboy, NJ</i>	
Type of Material	<i>ASTM #57 0.75-inch Stone</i>		<i>ASTM #2 2.5-inch Stone</i>		<i>Pipe Sand Backfill</i>	
Today	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)
		0	-	0	-	0
Total	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)
	6	120	3	60	0	-
Approved Quantity	-	500	-	200	-	300

**Samples Collected:**

- No samples were collected.

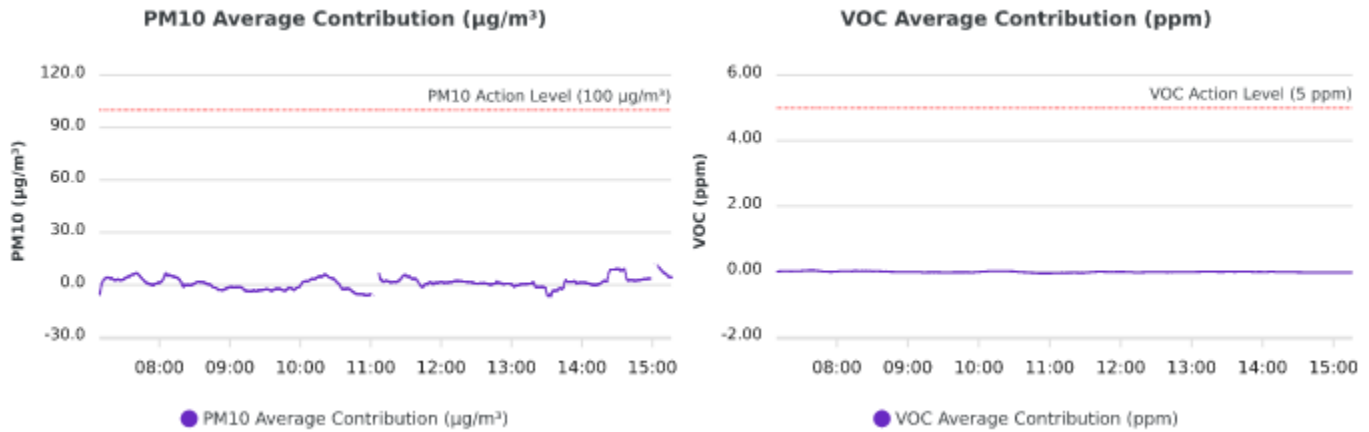
**Air Monitoring:**

The 15-minute average site contributions for particulates and volatile organic compounds (VOCs) are calculated by subtracting the upwind readings from the downwind readings. A true action level exceedance is realized when this net result exceeds 100  $\mu\text{g}/\text{m}^3$  for particulates and 5 ppm for organic vapors. No particulates (PM10) or organic vapors exceeded the 15-minute average site contribution action level of 100  $\mu\text{g}/\text{m}^3$  or 5 ppm, respectively, on this day.

Particulate Monitoring ( $\mu\text{g}/\text{m}^3$ )		Organic Vapor Monitoring (ppm)	
Daily Background	9.5	Daily Background	0.00
PM10 Average Site Contribution (Minimum)	-6.7	VOC Average Site Contribution (Minimum)	-0.05
PM10 Average Site Contribution (Maximum)	12.2	VOC Average Site Contribution (Maximum)	0.04

$\mu\text{g}/\text{m}^3$ : micrograms per cubic meter.

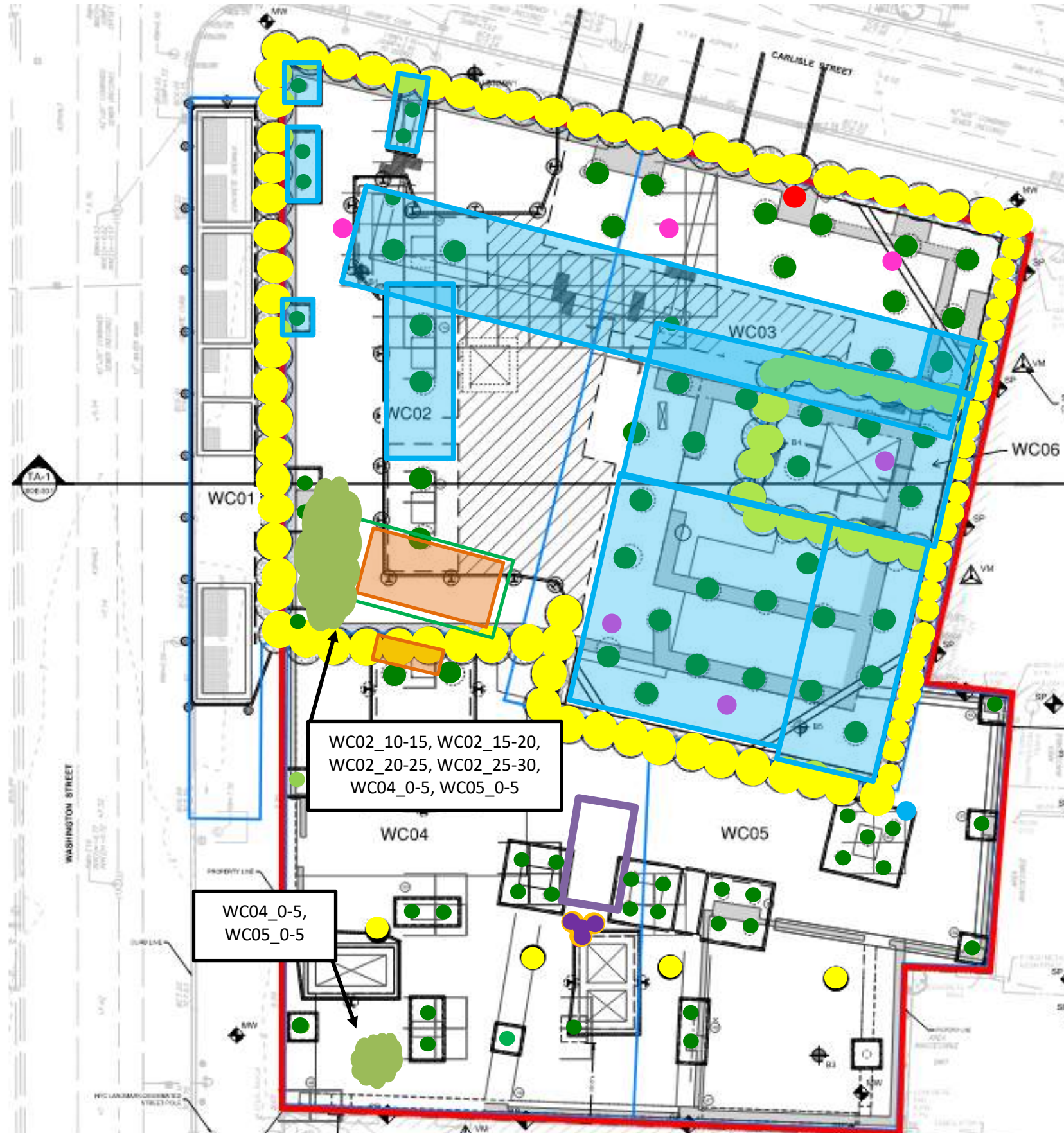
ppm: parts per million.



**Planned Activities:**

- Urban will continue to excavate and grade site soil/fill in support of foundation installation.
- Urban will continue to advance caissons and soldier piles.
- Brookside and Coastal will continue the remedial injection program.

**SITE PLAN**









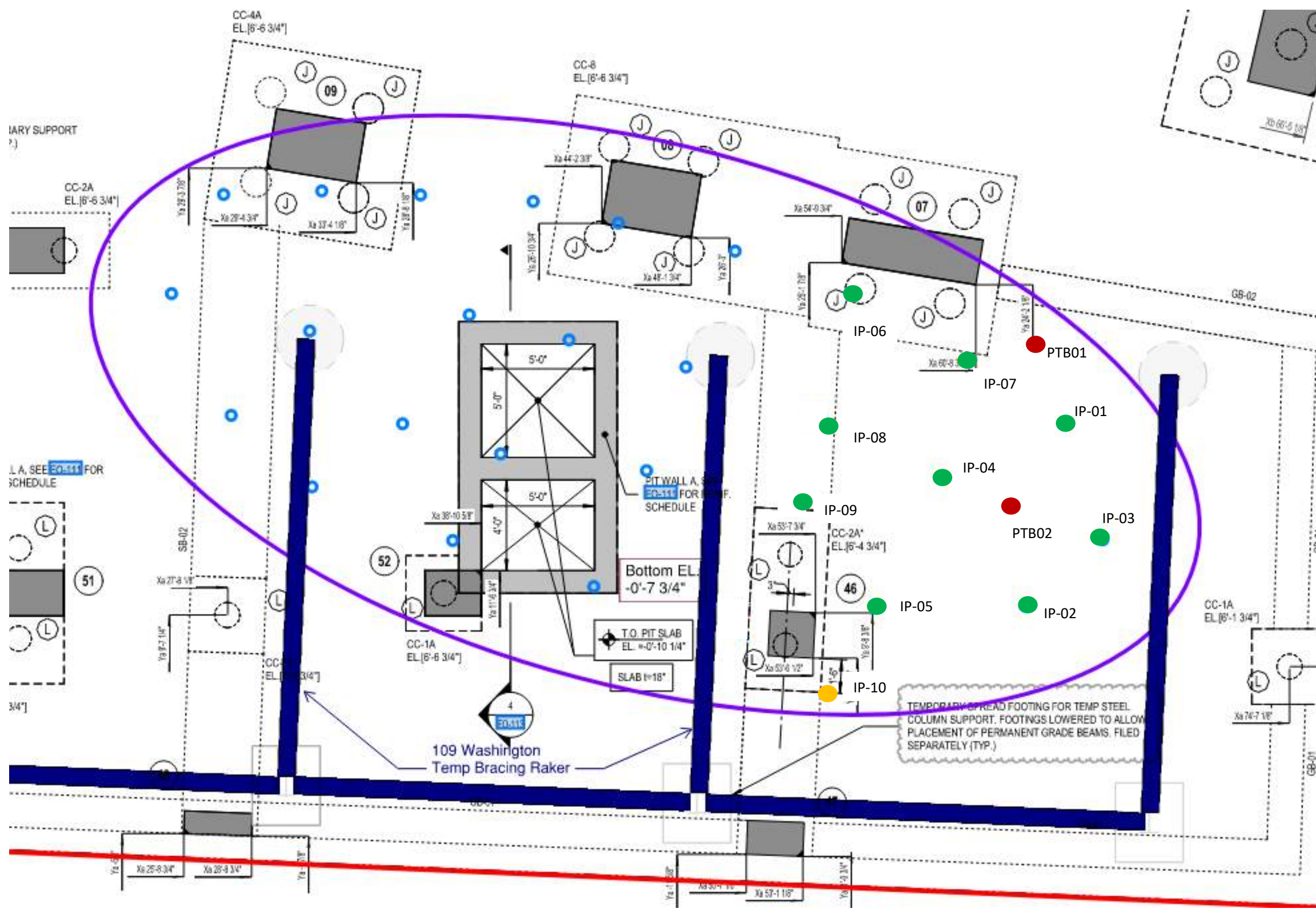
- Site Boundary**
- Waste Characterization Grid Boundary**
- **CAMP station 1**
- **CAMP station 2**
- **Stockpile – Soil (no impacts)**
- **Stockpile – C&D**
- **Stockpile – Timber Piles**
- Approximate Location of Excavation**
- Approximate Area of Grading**
- Approximate Backfill Location**
- **Completed Soil-Mix Column**
- **Completed Caisson Casing**
- **Completed Caisson**
- **Reinstalled Soil-Mix Column as part of the In-Situ Stabilization of NAPL-contaminated Soil**
- **Soil-Mix Core Advanced**
- **Documentation Endpoint Sample**
- Completed Waterproofing Installation**
- Approximate Location of the Former UST**

**Note:** Waste characterization grid areas were developed by PT Consultants and Urban and is shown on this site plan for reference only.



**SITE PLAN - PETROFIX GROUNDWATER TREATMENT AREA**

-  **Site Boundary**
-  **Groundwater Treatment Area**
-  **Proposed Petrofix Injection Point**
-  **In Progress Petrofix Injection**
-  **Completed Petrofix Injection**
-  **Pilot Test Boring Advanced**



**Photo Log**

**Photo 1:** Urban loading a truck for soil/fill export (facing south).



**Photo 2:** Urban excavating soil/fill in grid WC02 (facing northeast).





**Photo 3:** View of Brookside and Coastal installing an injection point in the southern part of the site (facing west).



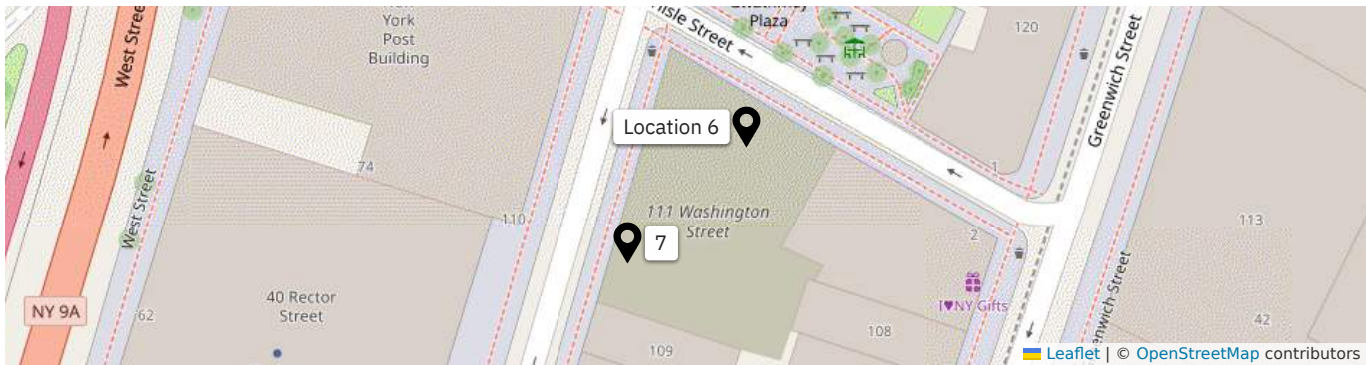
**Photo 4:** View of the site entrance/exit at the corner of Washington and Carlisle Streets at the end of the work day (facing southwest).



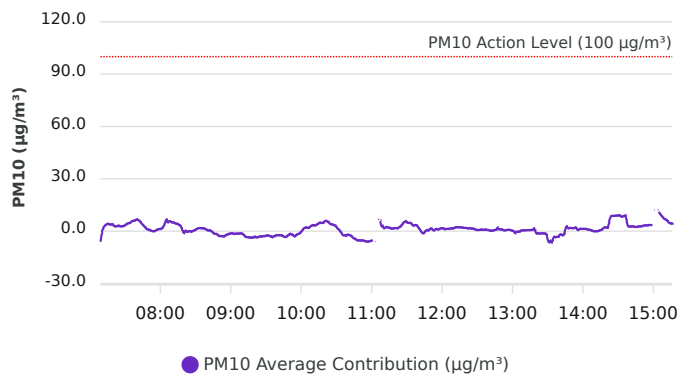
<b>LANGAN</b>	<b>Air Monitoring Report</b>	<b>170695201 - 111 Washington St</b>	
		<b>Report Period</b>	
		<b>From:</b>	2/8/2024 06:00
		<b>To:</b>	2/8/2024 19:00
		<b>PM10 Action Level:</b>	100.0 $\mu\text{g}/\text{m}^3$
<b>VOC Action Level:</b>	5.00 ppm		

<b>Daily Environmental Summary</b>	<b>Windspeed (mph)</b>	<b>Prevailing wind direction</b>
2/8/2024	0.3-2.5	WSW

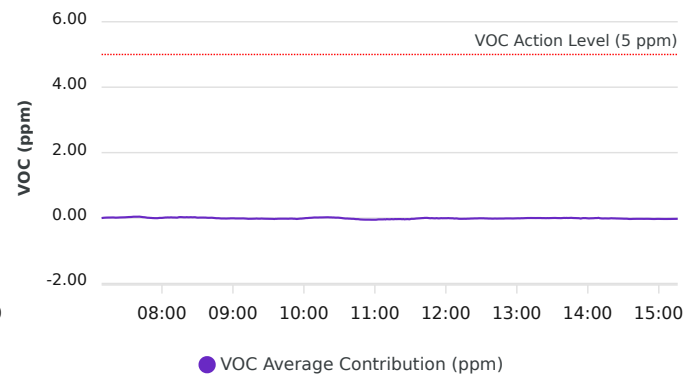
<b>Daily Monitoring Summary</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>Time</b>	<b>VOC (ppm)</b>	<b>Time</b>
<b>Min Contribution (15 min avg.) - 2/8/2024</b>	-6.7	13:33	-0.05	10:57
<b>Max Contribution (15 min avg.) - 2/8/2024</b>	12.2	15:04	0.04	07:41



**PM10 Average Contribution ( $\mu\text{g}/\text{m}^3$ )**

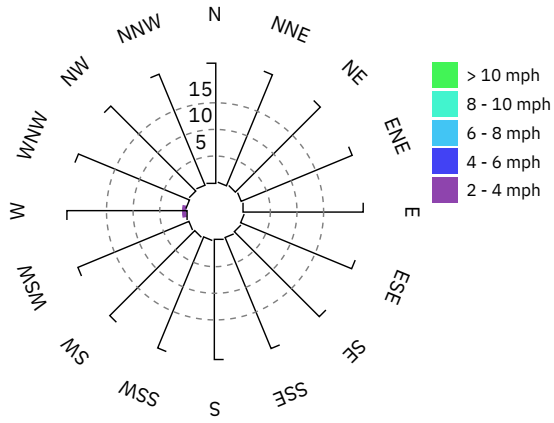


**VOC Average Contribution (ppm)**





Contribution wind rose (mph)



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
2/8/2024 07:09:00	9.5	3.4	-6.1	0.00	0.00	0.00	0.7	WSW
2/8/2024 07:10:00	6.8	6.3	-0.5	0.00	0.01	0.01	0.9	NNE
2/8/2024 07:11:00	5.7	7.3	1.6	0.00	0.01	0.01	0.7	SE
2/8/2024 07:12:00	5.2	8.0	2.9	0.00	0.01	0.01	0.8	ESE
2/8/2024 07:13:00	4.9	8.4	3.5	0.00	0.01	0.01	0.8	SE
2/8/2024 07:14:00	4.7	8.7	4.0	0.00	0.01	0.01	0.8	SE
2/8/2024 07:15:00	4.6	8.9	4.3	0.00	0.02	0.02	0.8	E
2/8/2024 07:16:00	4.9	8.9	4.0	0.00	0.02	0.02	0.8	ENE
2/8/2024 07:17:00	5.3	8.9	3.7	0.00	0.02	0.02	0.8	E
2/8/2024 07:18:00	5.2	9.0	3.9	0.00	0.02	0.02	0.8	ESE
2/8/2024 07:19:00	5.0	9.0	4.1	0.00	0.02	0.02	0.8	NE
2/8/2024 07:20:00	5.6	8.7	3.1	0.00	0.02	0.01	0.7	SSW
2/8/2024 07:21:00	5.9	8.6	2.7	0.00	0.01	0.01	0.7	WSW
2/8/2024 07:22:00	5.7	8.6	2.9	0.00	0.02	0.01	0.7	ESE
2/8/2024 07:23:00	5.7	8.5	2.8	0.00	0.02	0.01	0.7	ENE
2/8/2024 07:24:00	5.6	8.8	3.3	0.00	0.02	0.02	0.7	SE
2/8/2024 07:25:00	5.8	8.7	2.9	0.00	0.02	0.02	0.7	ESE
2/8/2024 07:26:00	6.2	8.9	2.7	0.00	0.02	0.02	0.7	ENE
2/8/2024 07:27:00	6.2	8.9	2.8	0.00	0.02	0.02	0.8	ENE
2/8/2024 07:28:00	6.2	9.0	2.9	0.00	0.03	0.02	0.8	ESE
2/8/2024 07:29:00	6.2	9.3	3.1	0.00	0.03	0.02	0.8	ESE
2/8/2024 07:30:00	6.2	9.8	3.6	0.00	0.03	0.03	0.8	E
2/8/2024 07:31:00	5.8	9.9	4.0	0.00	0.03	0.03	0.8	E
2/8/2024 07:32:00	5.6	10.0	4.4	0.00	0.03	0.03	0.8	E
2/8/2024 07:33:00	5.6	10.2	4.7	0.00	0.04	0.03	0.8	E
2/8/2024 07:34:00	5.6	10.3	4.7	0.00	0.04	0.03	0.8	ENE
2/8/2024 07:35:00	5.1	10.5	5.5	0.00	0.04	0.04	0.9	E
2/8/2024 07:36:00	4.8	10.6	5.8	0.00	0.04	0.04	0.9	E
2/8/2024 07:37:00	4.8	10.6	5.9	0.00	0.04	0.04	0.9	E

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
2/8/2024 07:38:00	4.6	10.8	6.1	0.00	0.04	0.04	0.9	E
2/8/2024 07:39:00	4.5	10.9	6.5	0.00	0.04	0.04	0.9	E
2/8/2024 07:40:00	4.3	11.1	6.8	0.00	0.04	0.04	0.9	E
2/8/2024 07:41:00	4.7	11.0	6.3	0.00	0.04	0.04	0.9	E
2/8/2024 07:42:00	5.1	10.9	5.8	0.00	0.04	0.04	0.9	W
2/8/2024 07:43:00	5.5	10.6	5.1	0.01	0.04	0.03	0.9	NW
2/8/2024 07:44:00	5.8	10.0	4.1	0.01	0.04	0.03	0.9	W
2/8/2024 07:45:00	5.8	9.3	3.5	0.01	0.03	0.03	0.9	NNE
2/8/2024 07:46:00	6.0	8.7	2.7	0.01	0.03	0.02	0.9	S
2/8/2024 07:47:00	6.3	8.4	2.1	0.01	0.03	0.01	0.9	W
2/8/2024 07:48:00	6.7	7.9	1.2	0.01	0.02	0.01	0.9	W
2/8/2024 07:49:00	6.6	7.8	1.2	0.01	0.02	0.01	0.9	SE
2/8/2024 07:50:00	6.8	7.4	0.5	0.01	0.02	0.01	0.9	SSE
2/8/2024 07:51:00	6.7	7.5	0.8	0.01	0.02	0.00	0.9	ESE
2/8/2024 07:52:00	7.0	7.0	0.1	0.02	0.02	0.00	0.9	SE
2/8/2024 07:53:00	6.9	6.9	0.0	0.02	0.01	0.00	0.9	ESE
2/8/2024 07:54:00	6.8	6.7	-0.1	0.02	0.01	0.00	0.9	N
2/8/2024 07:55:00	6.6	6.6	0.0	0.02	0.01	0.00	1.0	E
2/8/2024 07:56:00	5.8	6.4	0.6	0.02	0.01	0.00	1.0	ESE
2/8/2024 07:57:00	5.5	6.2	0.8	0.01	0.01	0.00	1.0	E
2/8/2024 07:58:00	5.1	6.2	1.1	0.01	0.01	0.01	1.0	ESE
2/8/2024 07:59:00	5.0	6.2	1.3	0.01	0.01	0.01	1.0	NW
2/8/2024 08:00:00	5.0	6.2	1.2	0.01	0.01	0.01	1.0	E
2/8/2024 08:01:00	4.7	6.4	1.7	0.01	0.02	0.01	0.9	NNW
2/8/2024 08:02:00	4.3	6.4	2.1	0.01	0.02	0.01	0.9	E
2/8/2024 08:03:00	3.9	7.4	3.5	0.01	0.02	0.02	0.9	ENE
2/8/2024 08:04:00	3.9	9.1	5.2	0.01	0.02	0.02	0.9	ESE
2/8/2024 08:05:00	3.6	10.6	6.9	0.00	0.02	0.02	0.9	NE
2/8/2024 08:06:00	5.2	10.1	4.9	0.01	0.02	0.02	0.8	NW



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
2/8/2024 08:07:00	4.8	10.6	5.8	0.00	0.02	0.02	0.9	NNE
2/8/2024 08:08:00	4.8	10.5	5.8	0.00	0.03	0.02	0.9	E
2/8/2024 08:09:00	5.0	10.2	5.2	0.01	0.02	0.02	0.9	WNW
2/8/2024 08:10:00	5.0	10.0	5.0	0.01	0.02	0.02	0.9	NNE
2/8/2024 08:11:00	5.0	9.9	5.0	0.01	0.02	0.02	0.8	ENE
2/8/2024 08:12:00	5.0	9.6	4.6	0.01	0.02	0.01	0.8	WSW
2/8/2024 08:13:00	5.1	9.3	4.3	0.01	0.02	0.01	0.9	W
2/8/2024 08:14:00	5.0	9.3	4.3	0.01	0.04	0.02	0.9	SW
2/8/2024 08:15:00	5.2	9.0	3.9	0.01	0.04	0.03	0.9	SSW
2/8/2024 08:16:00	5.4	8.8	3.5	0.02	0.05	0.03	0.9	SW
2/8/2024 08:17:00	5.6	8.6	3.0	0.02	0.05	0.03	0.9	SSW
2/8/2024 08:18:00	5.8	7.4	1.6	0.02	0.05	0.02	0.9	WSW
2/8/2024 08:19:00	5.7	5.6	-0.1	0.02	0.05	0.02	1.0	NNE
2/8/2024 08:20:00	5.6	4.3	-1.3	0.02	0.05	0.02	1.0	E
2/8/2024 08:21:00	4.1	4.5	0.4	0.02	0.05	0.03	1.0	E
2/8/2024 08:22:00	4.3	4.0	-0.3	0.02	0.05	0.02	1.0	SE
2/8/2024 08:23:00	4.3	3.9	-0.4	0.02	0.05	0.02	1.0	E
2/8/2024 08:24:00	4.1	4.1	0.1	0.02	0.05	0.03	1.0	E
2/8/2024 08:25:00	4.1	4.1	0.0	0.02	0.05	0.03	1.0	SE
2/8/2024 08:26:00	4.4	3.9	-0.4	0.02	0.04	0.02	1.0	WNW
2/8/2024 08:27:00	4.2	4.2	0.0	0.02	0.05	0.03	1.0	E
2/8/2024 08:28:00	4.0	4.3	0.3	0.02	0.04	0.03	0.9	E
2/8/2024 08:29:00	3.9	4.5	0.6	0.02	0.03	0.02	0.9	ENE
2/8/2024 08:30:00	3.7	4.7	1.0	0.01	0.03	0.01	0.9	ENE
2/8/2024 08:31:00	3.6	4.9	1.3	0.01	0.02	0.01	1.0	E
2/8/2024 08:32:00	3.4	5.1	1.7	0.01	0.02	0.01	0.9	ENE
2/8/2024 08:33:00	3.4	5.2	1.8	0.01	0.02	0.01	0.9	W
2/8/2024 08:34:00	3.4	5.1	1.7	0.01	0.02	0.01	0.9	NNW
2/8/2024 08:35:00	3.4	5.1	1.7	0.01	0.02	0.01	0.9	E

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
2/8/2024 08:36:00	3.5	5.1	1.6	0.01	0.02	0.01	0.9	NNE
2/8/2024 08:37:00	3.5	5.1	1.6	0.01	0.02	0.01	0.9	WNW
2/8/2024 08:38:00	3.8	5.0	1.2	0.01	0.02	0.01	0.9	W
2/8/2024 08:39:00	4.0	4.8	0.8	0.01	0.02	0.01	0.9	W
2/8/2024 08:40:00	4.2	4.6	0.4	0.01	0.02	0.01	0.9	WSW
2/8/2024 08:41:00	4.2	4.6	0.4	0.01	0.02	0.01	0.9	WSW
2/8/2024 08:42:00	4.2	4.7	0.5	0.01	0.02	0.01	1.0	NNE
2/8/2024 08:43:00	4.5	4.5	0.0	0.01	0.02	0.01	1.0	W
2/8/2024 08:44:00	4.8	4.3	-0.5	0.02	0.02	0.00	1.0	WNW
2/8/2024 08:45:00	5.3	4.1	-1.2	0.02	0.02	0.00	1.0	W
2/8/2024 08:46:00	5.5	3.9	-1.7	0.02	0.02	-0.01	0.9	SSE
2/8/2024 08:47:00	5.5	4.0	-1.5	0.02	0.02	-0.01	0.9	ENE
2/8/2024 08:48:00	5.8	4.0	-1.8	0.02	0.02	-0.01	0.9	WNW
2/8/2024 08:49:00	6.3	3.9	-2.4	0.02	0.01	-0.01	0.9	W
2/8/2024 08:50:00	6.7	3.8	-2.9	0.03	0.01	-0.01	0.9	WNW
2/8/2024 08:51:00	6.8	4.0	-2.7	0.03	0.01	-0.01	0.9	N
2/8/2024 08:52:00	7.0	4.1	-2.9	0.03	0.01	-0.01	0.9	SSE
2/8/2024 08:53:00	7.1	4.1	-3.0	0.03	0.01	-0.01	0.9	W
2/8/2024 08:54:00	7.3	4.2	-3.1	0.03	0.01	-0.01	0.9	W
2/8/2024 08:55:00	7.1	4.6	-2.5	0.03	0.01	-0.01	0.9	E
2/8/2024 08:56:00	7.0	5.0	-2.0	0.02	0.01	-0.01	0.9	NE
2/8/2024 08:57:00	7.1	5.0	-2.1	0.02	0.01	-0.01	1.0	E
2/8/2024 08:58:00	6.8	5.3	-1.5	0.02	0.01	-0.01	0.9	SE
2/8/2024 08:59:00	6.8	5.3	-1.4	0.02	0.01	-0.01	0.9	SSW
2/8/2024 09:00:00	6.7	5.5	-1.2	0.02	0.01	-0.01	0.9	SSW
2/8/2024 09:01:00	6.8	5.7	-1.1	0.02	0.01	-0.01	0.9	S
2/8/2024 09:02:00	7.3	5.7	-1.7	0.02	0.01	-0.01	0.9	W
2/8/2024 09:03:00	7.3	5.9	-1.5	0.02	0.01	-0.01	0.9	WNW
2/8/2024 09:04:00	7.4	5.9	-1.5	0.02	0.01	-0.01	0.9	WSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
2/8/2024 09:05:00	7.3	5.9	-1.4	0.02	0.01	-0.01	0.9	WSW
2/8/2024 09:06:00	7.3	5.9	-1.4	0.02	0.01	-0.01	0.9	E
2/8/2024 09:07:00	7.3	5.9	-1.4	0.02	0.01	-0.01	0.9	S
2/8/2024 09:08:00	7.2	5.9	-1.3	0.02	0.01	-0.01	0.9	W
2/8/2024 09:09:00	7.2	5.9	-1.3	0.02	0.01	-0.01	1.0	W
2/8/2024 09:10:00	7.5	5.7	-1.7	0.02	0.01	-0.01	1.0	W
2/8/2024 09:11:00	7.9	5.7	-2.2	0.03	0.01	-0.02	1.0	W
2/8/2024 09:12:00	8.6	5.5	-3.1	0.03	0.01	-0.02	0.9	W
2/8/2024 09:13:00	9.1	5.7	-3.4	0.03	0.01	-0.02	0.9	W
2/8/2024 09:14:00	9.4	6.0	-3.4	0.03	0.01	-0.02	1.0	WSW
2/8/2024 09:15:00	9.8	6.2	-3.6	0.03	0.01	-0.02	1.0	W
2/8/2024 09:16:00	9.8	6.2	-3.6	0.03	0.01	-0.02	1.0	W
2/8/2024 09:17:00	9.7	5.9	-3.7	0.03	0.01	-0.02	1.0	W
2/8/2024 09:18:00	9.5	5.8	-3.7	0.03	0.01	-0.02	1.0	W
2/8/2024 09:19:00	9.4	5.8	-3.6	0.03	0.01	-0.02	0.9	SSW
2/8/2024 09:20:00	9.2	6.1	-3.1	0.03	0.02	-0.01	0.9	E
2/8/2024 09:21:00	9.5	5.9	-3.6	0.03	0.01	-0.02	0.9	W
2/8/2024 09:22:00	9.5	6.0	-3.5	0.03	0.01	-0.02	0.9	WSW
2/8/2024 09:23:00	9.6	6.1	-3.5	0.03	0.01	-0.02	0.9	WNW
2/8/2024 09:24:00	9.3	6.4	-3.0	0.03	0.02	-0.01	0.9	E
2/8/2024 09:25:00	9.4	6.3	-3.1	0.03	0.02	-0.02	0.9	WSW
2/8/2024 09:26:00	9.3	6.1	-3.2	0.03	0.01	-0.02	0.9	W
2/8/2024 09:27:00	8.8	6.0	-2.8	0.03	0.01	-0.02	0.8	W
2/8/2024 09:28:00	8.6	5.7	-2.9	0.03	0.01	-0.02	0.8	WSW
2/8/2024 09:29:00	8.3	5.6	-2.8	0.03	0.01	-0.02	0.8	W
2/8/2024 09:30:00	8.0	5.5	-2.5	0.03	0.01	-0.02	0.8	SSW
2/8/2024 09:31:00	8.0	5.5	-2.5	0.03	0.01	-0.02	0.8	NW
2/8/2024 09:32:00	8.0	5.5	-2.5	0.03	0.01	-0.02	0.8	SW
2/8/2024 09:33:00	8.4	5.5	-2.9	0.03	0.01	-0.02	0.8	WNW



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
2/8/2024 09:34:00	8.6	5.6	-3.0	0.03	0.01	-0.03	0.9	W
2/8/2024 09:35:00	9.0	5.4	-3.6	0.03	0.00	-0.03	0.8	SSE
2/8/2024 09:36:00	8.8	5.9	-2.9	0.03	0.01	-0.02	0.8	E
2/8/2024 09:37:00	8.9	6.0	-3.0	0.03	0.01	-0.02	0.8	S
2/8/2024 09:38:00	8.8	6.4	-2.4	0.03	0.01	-0.02	0.8	SE
2/8/2024 09:39:00	8.8	6.5	-2.3	0.03	0.01	-0.02	0.8	N
2/8/2024 09:40:00	8.9	6.6	-2.4	0.03	0.01	-0.02	0.8	WNW
2/8/2024 09:41:00	9.0	6.7	-2.3	0.03	0.01	-0.02	0.8	NW
2/8/2024 09:42:00	9.1	6.8	-2.3	0.03	0.01	-0.02	0.8	W
2/8/2024 09:43:00	9.2	6.8	-2.4	0.03	0.01	-0.02	0.8	W
2/8/2024 09:44:00	9.5	6.8	-2.7	0.03	0.01	-0.02	0.8	WNW
2/8/2024 09:45:00	9.9	6.7	-3.2	0.03	0.01	-0.02	0.8	W
2/8/2024 09:46:00	10.1	6.7	-3.4	0.03	0.01	-0.02	0.9	WSW
2/8/2024 09:47:00	10.1	6.7	-3.4	0.03	0.01	-0.02	0.9	NW
2/8/2024 09:48:00	9.5	7.0	-2.5	0.03	0.01	-0.02	0.8	NNW
2/8/2024 09:49:00	9.4	7.2	-2.2	0.03	0.01	-0.02	0.8	W
2/8/2024 09:50:00	9.4	8.0	-1.4	0.03	0.01	-0.02	0.9	WSW
2/8/2024 09:51:00	9.6	7.7	-1.9	0.03	0.01	-0.02	0.9	WNW
2/8/2024 09:52:00	9.6	7.7	-1.8	0.03	0.01	-0.02	0.9	S
2/8/2024 09:53:00	9.8	7.3	-2.5	0.03	0.00	-0.02	0.9	NW
2/8/2024 09:54:00	10.0	6.9	-3.1	0.03	0.00	-0.03	1.0	NW
2/8/2024 09:55:00	9.6	7.1	-2.5	0.03	0.00	-0.02	1.0	NE
2/8/2024 09:56:00	9.2	7.2	-1.9	0.03	0.01	-0.02	0.9	ESE
2/8/2024 09:57:00	8.9	7.3	-1.6	0.02	0.01	-0.02	0.9	NNW
2/8/2024 09:58:00	8.8	7.3	-1.5	0.02	0.01	-0.02	0.9	WSW
2/8/2024 09:59:00	8.4	7.5	-0.9	0.02	0.01	-0.01	0.9	E
2/8/2024 10:00:00	7.8	7.7	-0.1	0.02	0.01	-0.01	0.9	ENE
2/8/2024 10:01:00	7.3	8.1	0.8	0.02	0.01	0.00	0.9	NE
2/8/2024 10:02:00	7.0	8.7	1.7	0.01	0.01	0.00	0.9	E

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
2/8/2024 10:03:00	7.0	8.9	1.9	0.01	0.01	0.00	1.0	ESE
2/8/2024 10:04:00	6.6	8.8	2.2	0.01	0.02	0.00	1.0	NNE
2/8/2024 10:05:00	6.2	8.1	1.9	0.01	0.02	0.01	1.0	E
2/8/2024 10:06:00	6.1	7.8	1.7	0.01	0.02	0.01	1.0	SW
2/8/2024 10:07:00	5.7	8.1	2.4	0.01	0.02	0.01	1.0	ESE
2/8/2024 10:08:00	5.4	8.4	3.0	0.01	0.02	0.01	1.1	E
2/8/2024 10:09:00	5.2	8.6	3.4	0.00	0.02	0.02	1.1	E
2/8/2024 10:10:00	5.2	8.5	3.3	0.00	0.02	0.02	1.1	E
2/8/2024 10:11:00	5.3	8.5	3.3	0.00	0.02	0.02	1.1	E
2/8/2024 10:12:00	5.2	8.6	3.4	0.00	0.02	0.02	1.1	ENE
2/8/2024 10:13:00	4.9	8.7	3.8	0.00	0.02	0.02	1.2	SE
2/8/2024 10:14:00	4.8	8.9	4.2	0.00	0.02	0.02	1.2	ESE
2/8/2024 10:15:00	4.7	9.4	4.7	0.00	0.02	0.02	1.2	ENE
2/8/2024 10:16:00	4.7	9.6	4.9	0.00	0.02	0.02	1.2	ENE
2/8/2024 10:17:00	4.6	9.2	4.6	0.00	0.02	0.02	1.3	ENE
2/8/2024 10:18:00	4.6	9.3	4.8	0.00	0.02	0.02	1.3	E
2/8/2024 10:19:00	4.6	9.6	5.0	0.00	0.02	0.02	1.3	ESE
2/8/2024 10:20:00	4.5	10.4	5.9	0.00	0.03	0.02	1.3	ESE
2/8/2024 10:21:00	4.5	10.4	5.9	0.00	0.03	0.02	1.3	W
2/8/2024 10:22:00	4.6	10.0	5.3	0.00	0.02	0.02	1.3	NW
2/8/2024 10:23:00	4.7	10.1	5.4	0.00	0.03	0.02	1.3	N
2/8/2024 10:24:00	5.8	9.9	4.2	0.01	0.02	0.02	1.3	SW
2/8/2024 10:25:00	5.8	9.9	4.1	0.01	0.02	0.02	1.3	SE
2/8/2024 10:26:00	5.9	9.7	3.8	0.01	0.02	0.01	1.3	W
2/8/2024 10:27:00	6.1	9.8	3.7	0.01	0.02	0.01	1.3	W
2/8/2024 10:28:00	6.4	9.8	3.4	0.01	0.02	0.01	1.3	NNE
2/8/2024 10:29:00	6.5	9.5	3.0	0.01	0.02	0.01	1.3	NW
2/8/2024 10:30:00	6.7	8.8	2.1	0.01	0.02	0.01	1.3	WSW
2/8/2024 10:31:00	7.0	8.3	1.3	0.01	0.02	0.01	1.2	WSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
2/8/2024 10:32:00	7.3	8.1	0.8	0.01	0.02	0.00	1.2	W
2/8/2024 10:33:00	7.7	7.5	-0.2	0.02	0.01	-0.01	1.2	SW
2/8/2024 10:34:00	8.2	7.2	-1.0	0.02	0.01	-0.01	1.2	W
2/8/2024 10:35:00	8.6	6.3	-2.3	0.02	0.01	-0.01	1.1	W
2/8/2024 10:36:00	8.8	6.4	-2.4	0.02	0.01	-0.01	1.2	W
2/8/2024 10:37:00	9.0	6.6	-2.4	0.02	0.01	-0.01	1.2	W
2/8/2024 10:38:00	9.3	6.5	-2.8	0.02	0.01	-0.02	1.2	W
2/8/2024 10:39:00	8.6	6.8	-1.9	0.02	0.01	-0.02	1.2	W
2/8/2024 10:40:00	9.0	6.9	-2.1	0.03	0.00	-0.02	1.2	WNW
2/8/2024 10:41:00	9.3	7.0	-2.3	0.03	0.00	-0.02	1.2	W
2/8/2024 10:42:00	9.5	6.9	-2.6	0.03	0.00	-0.02	1.2	W
2/8/2024 10:43:00	9.9	6.8	-3.1	0.03	0.00	-0.03	1.2	WSW
2/8/2024 10:44:00	10.7	6.8	-4.0	0.03	0.00	-0.03	1.2	W
2/8/2024 10:45:00	11.0	6.8	-4.2	0.03	0.00	-0.03	1.2	W
2/8/2024 10:46:00	11.5	6.8	-4.7	0.03	0.00	-0.03	1.3	W
2/8/2024 10:47:00	11.9	6.8	-5.1	0.04	0.00	-0.04	1.2	W
2/8/2024 10:48:00	12.1	6.7	-5.4	0.04	0.00	-0.04	1.3	W
2/8/2024 10:49:00	11.9	6.6	-5.3	0.04	0.00	-0.04	1.2	SW
2/8/2024 10:50:00	11.8	6.5	-5.3	0.05	0.00	-0.05	1.2	SW
2/8/2024 10:51:00	11.7	6.4	-5.3	0.05	0.00	-0.05	1.2	W
2/8/2024 10:52:00	11.6	6.3	-5.3	0.05	0.00	-0.05	1.3	W
2/8/2024 10:53:00	11.5	6.0	-5.5	0.05	0.00	-0.05	1.3	W
2/8/2024 10:54:00	11.5	5.8	-5.7	0.05	0.00	-0.05	1.3	W
2/8/2024 10:55:00	11.4	5.5	-5.9	0.05	0.00	-0.05	1.3	W
2/8/2024 10:56:00	11.4	5.4	-6.0	0.05	0.00	-0.05	1.3	SW
2/8/2024 10:57:00	11.3	5.4	-6.0	0.05	0.00	-0.05	1.3	W
2/8/2024 10:58:00	11.1	5.3	-5.8	0.05	0.00	-0.05	1.3	W
2/8/2024 10:59:00	10.6	5.1	-5.5	0.05	0.00	-0.05	1.3	W
2/8/2024 11:00:00	10.4	5.1	-5.4	0.05	0.00	-0.05	1.3	W



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
2/8/2024 11:01:00				0.05	0.00	-0.05	1.3	W
2/8/2024 11:02:00				0.05	0.00	-0.05	1.3	WNW
2/8/2024 11:03:00	12.9	6.8	-6.1	0.04	0.00	-0.04	1.3	W
2/8/2024 11:04:00				0.04	0.00	-0.04	1.3	NW
2/8/2024 11:05:00				0.04	0.00	-0.04	1.3	W
2/8/2024 11:06:00	11.1	17.8	6.7	0.04	0.00	-0.04	1.2	WNW
2/8/2024 11:07:00	10.4	16.8	6.4	0.04	0.00	-0.04	1.2	WNW
2/8/2024 11:08:00	11.6	14.3	2.6	0.04	0.00	-0.04	1.2	NNW
2/8/2024 11:09:00	10.9	14.1	3.2	0.04	0.00	-0.04	1.2	W
2/8/2024 11:10:00	11.7	13.3	1.6	0.04	0.01	-0.03	1.2	ENE
2/8/2024 11:11:00	11.5	13.4	2.0	0.04	0.01	-0.04	1.2	S
2/8/2024 11:12:00	11.1	13.4	2.3	0.05	0.01	-0.04	1.2	W
2/8/2024 11:13:00	10.9	13.3	2.5	0.05	0.01	-0.04	1.2	WNW
2/8/2024 11:14:00	11.1	12.9	1.8	0.04	0.01	-0.03	1.2	NE
2/8/2024 11:15:00	10.8	12.9	2.0	0.05	0.01	-0.04	1.1	SW
2/8/2024 11:16:00	11.4	12.9	1.5	0.05	0.01	-0.04	1.1	S
2/8/2024 11:17:00	11.5	12.9	1.4	0.05	0.02	-0.03	1.1	E
2/8/2024 11:18:00	11.3	12.9	1.5	0.05	0.01	-0.03	1.2	SSW
2/8/2024 11:19:00	11.3	13.0	1.7	0.05	0.01	-0.03	1.2	W
2/8/2024 11:20:00	11.2	13.1	1.9	0.05	0.01	-0.03	1.2	SW
2/8/2024 11:21:00	11.3	12.9	1.6	0.05	0.01	-0.03	1.1	SW
2/8/2024 11:22:00	11.3	13.0	1.6	0.05	0.01	-0.03	1.0	SW
2/8/2024 11:23:00	11.1	13.4	2.3	0.05	0.01	-0.04	1.0	WSW
2/8/2024 11:24:00	11.2	13.7	2.5	0.04	0.01	-0.03	1.0	SW
2/8/2024 11:25:00	10.8	14.1	3.3	0.05	0.01	-0.04	1.0	SSE
2/8/2024 11:26:00	10.9	15.0	4.1	0.04	0.01	-0.04	1.0	SSW
2/8/2024 11:27:00	11.1	16.1	5.0	0.04	0.01	-0.03	0.9	SW
2/8/2024 11:28:00	11.3	16.7	5.3	0.04	0.01	-0.03	0.9	SW
2/8/2024 11:29:00	11.4	17.2	5.9	0.04	0.01	-0.04	0.8	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
2/8/2024 11:30:00	12.5	17.3	4.8	0.04	0.01	-0.03	0.8	SE
2/8/2024 11:31:00	12.7	17.3	4.7	0.04	0.01	-0.02	0.8	SE
2/8/2024 11:32:00	13.1	17.8	4.7	0.04	0.01	-0.02	0.8	ENE
2/8/2024 11:33:00	13.6	18.3	4.8	0.04	0.02	-0.02	0.8	SSW
2/8/2024 11:34:00	14.3	18.2	3.9	0.04	0.02	-0.02	0.8	ENE
2/8/2024 11:35:00	15.0	18.1	3.1	0.04	0.02	-0.01	0.8	E
2/8/2024 11:36:00	15.2	18.6	3.4	0.04	0.03	-0.01	0.8	SSW
2/8/2024 11:37:00	15.5	19.1	3.5	0.04	0.03	-0.01	0.7	SW
2/8/2024 11:38:00	15.8	19.3	3.5	0.04	0.03	-0.01	0.7	WSW
2/8/2024 11:39:00	16.6	19.1	2.5	0.04	0.04	0.00	0.7	SE
2/8/2024 11:40:00	17.4	18.9	1.6	0.04	0.04	0.00	0.7	NE
2/8/2024 11:41:00	17.6	18.4	0.8	0.04	0.04	0.00	0.7	SW
2/8/2024 11:42:00	18.0	17.6	-0.5	0.04	0.04	0.01	0.7	SE
2/8/2024 11:43:00	18.4	17.3	-1.1	0.04	0.04	0.01	0.7	SSE
2/8/2024 11:44:00	18.5	17.2	-1.3	0.04	0.04	0.01	0.7	SW
2/8/2024 11:45:00	17.7	17.3	-0.3	0.04	0.04	0.00	0.7	SW
2/8/2024 11:46:00	17.3	17.6	0.3	0.04	0.04	0.00	0.7	WSW
2/8/2024 11:47:00	16.8	17.5	0.7	0.04	0.04	-0.01	0.7	SSE
2/8/2024 11:48:00	16.8	17.0	0.3	0.04	0.04	0.00	0.7	NNE
2/8/2024 11:49:00	16.1	17.2	1.1	0.04	0.04	-0.01	0.7	W
2/8/2024 11:50:00	15.7	17.3	1.6	0.04	0.04	-0.01	0.7	SW
2/8/2024 11:51:00	15.7	17.1	1.4	0.04	0.03	-0.01	0.7	WSW
2/8/2024 11:52:00	16.0	16.5	0.5	0.04	0.04	0.00	0.8	SE
2/8/2024 11:53:00	16.0	16.4	0.4	0.04	0.04	-0.01	0.7	WSW
2/8/2024 11:54:00	15.5	16.5	1.1	0.05	0.04	-0.01	0.7	SSW
2/8/2024 11:55:00	15.2	16.5	1.3	0.05	0.04	-0.01	0.7	SE
2/8/2024 11:56:00	15.3	16.2	0.9	0.04	0.04	0.00	0.7	ESE
2/8/2024 11:57:00	14.9	16.0	1.1	0.05	0.04	-0.01	0.7	W
2/8/2024 11:58:00	14.4	15.9	1.5	0.04	0.04	-0.01	0.7	WSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
2/8/2024 11:59:00	14.1	15.7	1.6	0.04	0.04	-0.01	0.8	WSW
2/8/2024 12:00:00	13.8	15.5	1.7	0.04	0.04	-0.01	0.8	WSW
2/8/2024 12:01:00	13.5	15.1	1.6	0.04	0.04	-0.01	0.7	SSW
2/8/2024 12:02:00	13.4	14.4	1.0	0.04	0.04	0.00	0.8	ENE
2/8/2024 12:03:00	13.0	14.3	1.3	0.04	0.04	-0.01	0.7	S
2/8/2024 12:04:00	12.7	13.9	1.3	0.04	0.03	-0.01	0.7	WSW
2/8/2024 12:05:00	12.3	13.5	1.3	0.04	0.03	-0.01	0.7	W
2/8/2024 12:06:00	11.7	12.9	1.2	0.04	0.03	-0.01	0.7	SSW
2/8/2024 12:07:00	10.8	12.5	1.7	0.04	0.02	-0.01	0.6	WSW
2/8/2024 12:08:00	10.3	11.9	1.6	0.03	0.02	-0.01	0.6	WSW
2/8/2024 12:09:00	9.8	11.3	1.5	0.03	0.02	-0.01	0.6	WSW
2/8/2024 12:10:00	9.1	11.0	1.8	0.03	0.01	-0.02	0.6	W
2/8/2024 12:11:00	8.5	10.7	2.2	0.03	0.01	-0.02	0.6	S
2/8/2024 12:12:00	8.1	10.3	2.2	0.03	0.01	-0.02	0.6	SW
2/8/2024 12:13:00	7.7	9.9	2.2	0.03	0.01	-0.02	0.6	WNW
2/8/2024 12:14:00	7.4	9.6	2.2	0.03	0.00	-0.02	0.5	SW
2/8/2024 12:15:00	7.2	9.3	2.2	0.03	0.00	-0.02	0.5	S
2/8/2024 12:16:00	6.9	9.1	2.2	0.02	0.00	-0.02	0.5	SSE
2/8/2024 12:17:00	6.8	8.9	2.1	0.02	0.00	-0.02	0.5	E
2/8/2024 12:18:00	6.8	8.6	1.8	0.02	0.00	-0.02	0.5	ENE
2/8/2024 12:19:00	6.7	8.5	1.8	0.02	0.00	-0.02	0.5	S
2/8/2024 12:20:00	6.5	8.4	1.9	0.02	0.00	-0.02	0.5	WSW
2/8/2024 12:21:00	6.6	8.2	1.6	0.02	0.00	-0.01	0.6	E
2/8/2024 12:22:00	6.5	8.2	1.6	0.02	0.00	-0.01	0.6	W
2/8/2024 12:23:00	6.5	8.2	1.8	0.02	0.00	-0.01	0.6	SW
2/8/2024 12:24:00	6.6	8.1	1.5	0.02	0.01	-0.01	0.6	E
2/8/2024 12:25:00	6.5	8.0	1.5	0.02	0.01	-0.01	0.6	SW
2/8/2024 12:26:00	6.5	7.9	1.4	0.02	0.01	-0.01	0.6	S
2/8/2024 12:27:00	6.5	7.8	1.3	0.01	0.01	-0.01	0.6	W

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
2/8/2024 12:28:00	6.6	7.5	0.9	0.01	0.01	-0.01	0.6	SE
2/8/2024 12:29:00	6.7	7.5	0.7	0.01	0.01	-0.01	0.6	W
2/8/2024 12:30:00	7.0	7.5	0.6	0.01	0.01	-0.01	0.6	WNW
2/8/2024 12:31:00	7.1	7.8	0.7	0.01	0.01	-0.01	0.6	SW
2/8/2024 12:32:00	7.2	8.0	0.8	0.01	0.01	-0.01	0.7	ESE
2/8/2024 12:33:00	7.4	8.4	1.0	0.02	0.01	-0.01	0.6	WNW
2/8/2024 12:34:00	7.7	8.5	0.8	0.02	0.01	-0.01	0.6	WSW
2/8/2024 12:35:00	7.9	8.6	0.7	0.02	0.01	-0.01	0.6	SSW
2/8/2024 12:36:00	7.9	8.8	0.9	0.02	0.01	-0.01	0.6	WSW
2/8/2024 12:37:00	8.0	8.9	0.9	0.02	0.01	-0.01	0.6	SSE
2/8/2024 12:38:00	8.4	9.0	0.7	0.02	0.01	-0.01	0.6	W
2/8/2024 12:39:00	8.6	9.3	0.7	0.02	0.00	-0.02	0.6	WSW
2/8/2024 12:40:00	9.1	9.5	0.4	0.02	0.00	-0.02	0.6	SSW
2/8/2024 12:41:00	9.4	9.6	0.3	0.02	0.01	-0.01	0.7	ESE
2/8/2024 12:42:00	9.6	9.8	0.2	0.02	0.01	-0.01	0.7	WSW
2/8/2024 12:43:00	9.8	10.1	0.4	0.02	0.00	-0.02	0.7	WSW
2/8/2024 12:44:00	9.9	10.4	0.6	0.02	0.00	-0.02	0.7	W
2/8/2024 12:45:00	10.0	10.7	0.7	0.02	0.00	-0.01	0.8	SW
2/8/2024 12:46:00	10.1	10.9	0.8	0.02	0.00	-0.01	0.8	S
2/8/2024 12:47:00	10.0	12.2	2.1	0.02	0.00	-0.01	0.7	SE
2/8/2024 12:48:00	10.9	12.0	1.1	0.02	0.00	-0.01	0.7	W
2/8/2024 12:49:00	11.0	12.0	1.0	0.02	0.00	-0.01	0.7	S
2/8/2024 12:50:00	11.0	12.2	1.1	0.02	0.00	-0.01	0.7	SE
2/8/2024 12:51:00	11.3	12.1	0.8	0.01	0.00	-0.01	0.7	SSW
2/8/2024 12:52:00	11.4	12.0	0.5	0.01	0.00	-0.01	0.8	SW
2/8/2024 12:53:00	11.4	11.8	0.4	0.01	0.00	-0.01	0.8	WSW
2/8/2024 12:54:00	11.2	11.7	0.6	0.01	0.00	-0.01	0.8	SW
2/8/2024 12:55:00	10.8	11.5	0.7	0.01	0.00	-0.01	0.8	WSW
2/8/2024 12:56:00	10.7	11.5	0.7	0.01	0.00	-0.01	0.8	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
2/8/2024 12:57:00	10.7	11.4	0.7	0.01	0.00	-0.01	0.8	SW
2/8/2024 12:58:00	10.6	11.2	0.6	0.01	0.00	-0.01	0.8	ESE
2/8/2024 12:59:00	10.6	11.0	0.4	0.01	0.00	-0.01	0.8	SE
2/8/2024 13:00:00	10.4	10.5	0.1	0.01	0.00	-0.01	0.8	WNW
2/8/2024 13:01:00	10.4	10.2	-0.2	0.01	0.01	-0.01	0.8	ESE
2/8/2024 13:02:00	10.3	9.0	-1.4	0.01	0.00	-0.01	0.8	WSW
2/8/2024 13:03:00	9.3	9.0	-0.3	0.01	0.00	-0.01	0.8	SSE
2/8/2024 13:04:00	9.1	8.8	-0.3	0.01	0.00	-0.01	0.8	ESE
2/8/2024 13:05:00	9.0	8.6	-0.4	0.01	0.00	-0.01	0.8	N
2/8/2024 13:06:00	8.8	8.6	-0.2	0.01	0.00	0.00	0.8	NE
2/8/2024 13:07:00	8.7	9.1	0.4	0.01	0.01	0.00	0.8	E
2/8/2024 13:08:00	8.7	9.2	0.5	0.01	0.01	0.00	0.8	WSW
2/8/2024 13:09:00	8.7	9.2	0.4	0.01	0.01	0.00	0.8	ESE
2/8/2024 13:10:00	8.7	9.2	0.5	0.01	0.01	0.00	0.8	SW
2/8/2024 13:11:00	8.8	9.4	0.6	0.01	0.01	0.00	0.7	SSW
2/8/2024 13:12:00	9.0	9.5	0.5	0.00	0.01	0.00	0.8	ESE
2/8/2024 13:13:00	9.1	9.7	0.7	0.01	0.01	0.00	0.8	SSE
2/8/2024 13:14:00	9.3	9.8	0.5	0.01	0.01	0.00	0.8	SE
2/8/2024 13:15:00	9.3	10.0	0.7	0.01	0.01	0.00	0.8	SSW
2/8/2024 13:16:00	9.4	10.0	0.6	0.01	0.01	0.00	0.8	SE
2/8/2024 13:17:00	9.6	10.3	0.7	0.00	0.01	0.00	0.8	SE
2/8/2024 13:18:00	9.8	11.5	1.7	0.00	0.01	0.00	0.8	SSE
2/8/2024 13:19:00	11.3	11.8	0.4	0.00	0.01	0.00	0.8	SE
2/8/2024 13:20:00	13.4	11.9	-1.6	0.00	0.01	0.00	0.8	ESE
2/8/2024 13:21:00	13.6	12.5	-1.1	0.01	0.00	0.00	0.8	SSE
2/8/2024 13:22:00	13.7	12.3	-1.3	0.01	0.00	0.00	0.8	W
2/8/2024 13:23:00	13.8	12.4	-1.4	0.01	0.00	0.00	0.8	SE
2/8/2024 13:24:00	13.8	12.5	-1.3	0.01	0.00	0.00	0.8	SW
2/8/2024 13:25:00	13.8	12.7	-1.1	0.01	0.00	0.00	0.8	W



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
2/8/2024 13:26:00	13.9	12.5	-1.4	0.01	0.00	0.00	0.9	E
2/8/2024 13:27:00	13.7	12.5	-1.2	0.01	0.00	0.00	0.9	W
2/8/2024 13:28:00	13.8	12.2	-1.5	0.01	0.00	0.00	0.8	NNE
2/8/2024 13:29:00	14.4	12.2	-2.2	0.01	0.01	0.00	0.8	ENE
2/8/2024 13:30:00	18.0	12.1	-6.0	0.00	0.01	0.00	0.8	ESE
2/8/2024 13:31:00	19.1	12.6	-6.5	0.00	0.01	0.00	0.8	ESE
2/8/2024 13:32:00	19.2	13.9	-5.3	0.00	0.01	0.00	0.8	ESE
2/8/2024 13:33:00	19.6	13.0	-6.7	0.01	0.01	0.00	0.8	SSW
2/8/2024 13:34:00	18.3	13.2	-5.1	0.01	0.01	0.00	0.8	WSW
2/8/2024 13:35:00	16.4	13.3	-3.1	0.01	0.01	0.00	0.8	W
2/8/2024 13:36:00	16.5	12.9	-3.6	0.01	0.01	0.00	0.8	WNW
2/8/2024 13:37:00	17.6	14.3	-3.3	0.01	0.01	0.00	0.8	WSW
2/8/2024 13:38:00	18.5	15.3	-3.2	0.01	0.01	0.00	0.8	SE
2/8/2024 13:39:00	19.7	16.5	-3.2	0.01	0.01	0.00	0.8	N
2/8/2024 13:40:00	20.3	18.4	-1.9	0.01	0.01	0.01	0.8	ESE
2/8/2024 13:41:00	20.4	18.6	-1.8	0.01	0.01	0.00	0.7	S
2/8/2024 13:42:00	20.9	18.5	-2.4	0.01	0.01	0.01	0.7	SE
2/8/2024 13:43:00	21.0	18.8	-2.3	0.01	0.01	0.00	0.7	WSW
2/8/2024 13:44:00	20.4	19.0	-1.4	0.01	0.01	0.00	0.7	NE
2/8/2024 13:45:00	16.8	19.0	2.1	0.01	0.02	0.01	0.8	NNW
2/8/2024 13:46:00	15.7	18.5	2.9	0.01	0.02	0.01	0.8	ESE
2/8/2024 13:47:00	15.4	16.9	1.5	0.02	0.02	0.00	0.8	W
2/8/2024 13:48:00	14.8	16.7	1.9	0.02	0.02	0.00	0.9	W
2/8/2024 13:49:00	14.6	16.4	1.8	0.02	0.02	0.00	0.9	W
2/8/2024 13:50:00	14.4	16.1	1.7	0.03	0.02	0.00	0.9	WNW
2/8/2024 13:51:00	14.2	15.9	1.8	0.03	0.02	0.00	0.9	WSW
2/8/2024 13:52:00	12.9	14.6	1.7	0.03	0.02	0.00	0.9	SW
2/8/2024 13:53:00	11.8	14.0	2.2	0.03	0.02	-0.01	0.9	WSW
2/8/2024 13:54:00	11.5	13.4	1.9	0.04	0.02	-0.01	0.9	ESE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
2/8/2024 13:55:00	11.4	12.0	0.6	0.04	0.03	-0.01	0.9	S
2/8/2024 13:56:00	11.4	12.2	0.7	0.04	0.04	0.00	0.9	SW
2/8/2024 13:57:00	11.1	12.4	1.4	0.04	0.04	0.00	0.9	W
2/8/2024 13:58:00	11.1	12.4	1.3	0.04	0.04	0.00	0.9	WSW
2/8/2024 13:59:00	11.1	12.3	1.2	0.04	0.04	-0.01	0.9	W
2/8/2024 14:00:00	10.9	12.3	1.3	0.05	0.04	-0.01	0.9	SW
2/8/2024 14:01:00	10.9	12.1	1.3	0.05	0.04	-0.01	0.9	SSW
2/8/2024 14:02:00	10.8	12.1	1.3	0.04	0.04	-0.01	0.9	SW
2/8/2024 14:03:00	10.9	12.0	1.1	0.04	0.04	-0.01	0.9	W
2/8/2024 14:04:00	11.2	11.9	0.8	0.04	0.04	-0.01	0.9	S
2/8/2024 14:05:00	11.1	12.0	0.9	0.04	0.04	-0.01	0.9	WSW
2/8/2024 14:06:00	11.2	11.8	0.6	0.04	0.04	0.00	0.9	ESE
2/8/2024 14:07:00	11.1	11.5	0.4	0.04	0.04	0.00	0.9	W
2/8/2024 14:08:00	11.1	11.2	0.1	0.04	0.04	0.00	0.8	W
2/8/2024 14:09:00	10.4	10.3	-0.1	0.03	0.04	0.01	0.8	E
2/8/2024 14:10:00	9.9	9.9	0.0	0.03	0.03	0.00	0.8	WNW
2/8/2024 14:11:00	9.6	9.6	0.0	0.03	0.02	-0.01	0.9	W
2/8/2024 14:12:00	9.4	9.3	-0.1	0.03	0.02	-0.01	0.9	WSW
2/8/2024 14:13:00	9.0	9.2	0.2	0.03	0.01	-0.01	0.9	SSW
2/8/2024 14:14:00	8.8	9.4	0.5	0.02	0.01	-0.01	0.9	W
2/8/2024 14:15:00	8.9	9.5	0.6	0.02	0.01	-0.01	0.9	S
2/8/2024 14:16:00	9.0	9.9	0.9	0.02	0.01	-0.01	1.0	W
2/8/2024 14:17:00	9.2	10.9	1.8	0.02	0.01	-0.01	1.0	W
2/8/2024 14:18:00	9.3	11.4	2.1	0.02	0.01	-0.01	0.9	WNW
2/8/2024 14:19:00	9.4	11.7	2.3	0.02	0.01	-0.01	0.9	E
2/8/2024 14:20:00	9.9	11.8	1.9	0.01	0.01	-0.01	0.9	ESE
2/8/2024 14:21:00	10.7	12.6	1.9	0.02	0.01	-0.01	0.9	WSW
2/8/2024 14:22:00	11.2	16.3	5.0	0.02	0.01	-0.01	0.9	SW
2/8/2024 14:23:00	11.6	19.7	8.2	0.02	0.01	-0.01	0.9	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
2/8/2024 14:24:00	11.6	20.4	8.8	0.02	0.01	-0.01	0.9	WSW
2/8/2024 14:25:00	11.7	20.4	8.7	0.02	0.01	-0.01	0.9	SSW
2/8/2024 14:26:00	11.8	20.6	8.8	0.02	0.01	-0.01	1.0	W
2/8/2024 14:27:00	11.8	20.6	8.8	0.02	0.01	-0.01	1.0	WSW
2/8/2024 14:28:00	11.9	20.8	8.9	0.02	0.01	-0.02	1.0	SW
2/8/2024 14:29:00	11.9	20.8	8.9	0.02	0.01	-0.02	1.0	SSW
2/8/2024 14:30:00	11.9	20.9	9.0	0.02	0.00	-0.02	0.9	S
2/8/2024 14:31:00	11.9	21.1	9.1	0.02	0.00	-0.02	0.8	SW
2/8/2024 14:32:00	11.8	20.2	8.3	0.02	0.00	-0.02	0.8	WSW
2/8/2024 14:33:00	11.6	19.9	8.3	0.02	0.00	-0.02	0.8	WSW
2/8/2024 14:34:00	11.3	19.8	8.6	0.03	0.00	-0.02	0.9	WSW
2/8/2024 14:35:00	10.8	19.6	8.8	0.03	0.00	-0.03	1.0	WSW
2/8/2024 14:36:00	9.9	19.0	9.1	0.03	0.00	-0.03	1.1	W
2/8/2024 14:37:00	9.5	15.4	5.9	0.03	0.00	-0.03	1.2	W
2/8/2024 14:38:00	9.3	12.0	2.7	0.03	0.00	-0.03	1.2	W
2/8/2024 14:39:00	9.0	11.6	2.5	0.03	0.00	-0.02	1.2	S
2/8/2024 14:40:00	8.9	11.6	2.7	0.03	0.00	-0.02	1.1	WSW
2/8/2024 14:41:00	8.9	11.7	2.8	0.02	0.00	-0.02	1.0	WSW
2/8/2024 14:42:00	8.9	11.8	2.8	0.02	0.00	-0.02	1.0	WSW
2/8/2024 14:43:00	9.1	11.7	2.7	0.02	0.00	-0.02	1.1	W
2/8/2024 14:44:00	9.2	11.6	2.4	0.02	0.00	-0.02	1.2	SSW
2/8/2024 14:45:00	9.3	11.6	2.3	0.03	0.00	-0.02	1.2	WSW
2/8/2024 14:46:00	9.3	11.8	2.5	0.03	0.00	-0.02	1.3	SW
2/8/2024 14:47:00	9.4	12.2	2.8	0.03	0.00	-0.02	1.3	WSW
2/8/2024 14:48:00	9.5	12.2	2.7	0.03	0.00	-0.02	1.2	SSW
2/8/2024 14:49:00	9.5	12.3	2.7	0.02	0.00	-0.02	1.2	WSW
2/8/2024 14:50:00	9.5	12.4	2.9	0.02	0.00	-0.02	1.1	SW
2/8/2024 14:51:00	9.6	12.7	3.1	0.02	0.00	-0.02	1.0	SW
2/8/2024 14:52:00	9.6	12.9	3.3	0.03	0.00	-0.02	1.0	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
2/8/2024 14:53:00	9.6	13.0	3.3	0.03	0.00	-0.03	1.0	WSW
2/8/2024 14:54:00	9.7	13.1	3.4	0.03	0.00	-0.03	1.0	SW
2/8/2024 14:55:00	9.8	13.1	3.3	0.03	0.00	-0.03	1.0	SW
2/8/2024 14:56:00	9.8	13.4	3.6	0.03	0.00	-0.03	1.0	WSW
2/8/2024 14:57:00	9.9	13.4	3.5	0.03	0.00	-0.03	1.0	W
2/8/2024 14:58:00	9.8	13.3	3.5	0.03	0.00	-0.03	0.9	SW
2/8/2024 14:59:00				0.03	0.00	-0.03	0.9	SW
2/8/2024 15:00:00				0.03	0.00	-0.03	0.8	SW
2/8/2024 15:01:00	10.6	22.8	12.1	0.03	0.00	-0.03	0.8	SW
2/8/2024 15:02:00				0.03	0.00	-0.03	0.7	SSW
2/8/2024 15:03:00				0.03	0.00	-0.03	0.7	SSW
2/8/2024 15:04:00	9.4	21.6	12.2	0.03	0.00	-0.03	0.7	SSW
2/8/2024 15:05:00	9.3	19.3	10.0	0.03	0.00	-0.03	0.7	SSW
2/8/2024 15:06:00	9.1	18.6	9.4	0.03	0.00	-0.03	0.7	SW
2/8/2024 15:07:00	8.9	17.4	8.5	0.03	0.00	-0.03	0.6	SW
2/8/2024 15:08:00	8.9	16.6	7.7	0.03	0.00	-0.03	0.6	SE
2/8/2024 15:09:00	9.0	16.0	6.9	0.03	0.00	-0.03	0.6	S
2/8/2024 15:10:00	9.1	15.8	6.8	0.03	0.00	-0.03	0.6	S
2/8/2024 15:11:00	9.3	15.6	6.3	0.03	0.00	-0.03	0.6	WSW
2/8/2024 15:12:00	9.7	15.4	5.6	0.03	0.00	-0.03	0.5	SW
2/8/2024 15:13:00	10.2	14.9	4.7	0.03	0.00	-0.03	0.5	SE
2/8/2024 15:14:00	10.3	14.8	4.5	0.03	0.00	-0.03	0.5	SW
2/8/2024 15:15:00	10.3	14.7	4.4	0.03	0.00	-0.02	0.5	WSW
2/8/2024 15:16:00	10.2	14.5	4.3	0.02	0.00	-0.02	0.5	WSW